# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Box Patent Application** Commissioner of Patents and Trademarks Washington, D.C. 20231



## PATENT FILING TRANSMITTAL

Transmitted herewith for filing is the Patent Application of: Mukund Padmanabham, George A. Saon, and Geoffrey G. Zweig

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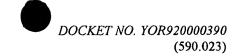
For:	LATTICE-BASED UNSUPERVISED MAXIMUM LIKELIHOOD LINEAR REGRESSION FOR SPEAKER ADAPTATION						
	TYPE OF FILING						
This ne	w patent application is for a(n):						
[X]	Utility						
[]	Design Plant						
Ü	Divisional						
ij	Continuation						
[]	Continuation-in-part						
Benefit	of a prior filed application						
[]	This application claims the benefit of an earlier filed U.S. Patent Application under 35 USC 120. Please accord Applicant the benefit of the priority date of to this case pursuant to 35 USC 119. Applicant's claim for priority is based on application filed in on that date.						
Filing t	under 37 CFR 1.53 (Utility) or 37 CFR 1.153 (Design)						
[X]							
[X]	upon filing of a specification, at least one claim and necessary drawings.  In the event any parts of this application are incomplete, please treat this as a filing under 37 CFR 1.53 or 37 CFR 1.153.						
	ENCLOSURES						
[X]	20 - pages of written description;						
[X]	5 - pages of claims;						
[X]	<u>1</u> - pages of abstract;						
[]	sheets of formal drawings;						
[X]	2 - sheets of informal drawings; Declaration and Power of Attorney or listing of inventors;						
[X] and	Deciaration and Power of Attorney of fishing of inventors,						
[X]	Two postcards for return to us as proof of receipt of the above documents.						
plus							
[X]	An Assignment of the invention to IBM Corporation and an Assignment cover sheet;						

	[]	Verified Statement Claiming Small Entity Status (37 CFR 1.9(f) and 1.27(b))							
	ij	Form PTO-1449 (IDS) and two copies of the references listed thereon;							
	[]	A certified copy of (country) patent application number (priority document).							
	[]	A preliminary amendment;							
	[]	Declaration of Biological Deposit;							
	[]	Submission of sequence listing, computer readable copy and/or amendment relating thereto for							
		biotechnology invention containing nucleotide and/or amino acid sequence;							
	[]	An associate power of attorney;							
	[]	Other.							
	DECLARATION OR OATH								
	The end	closed Declaration or Oath has been executed by:							
	[X]	Inventor(s);							
	[]	Legal representative of the inventors (37 CFR 1.42 or 1.43);							
A'''ll Ca''ll dan ''''ll fa''ll '''''ll llan '''ll fa''ll '''''ll llan ''''ll fa'''ll '''''ll llan ''''ll fa'''''''''ll llan ''''''''''''''''''''''	[]	Joint inventor or person showing proprietary interest on behalf of an inventor who refused to sign or who cannot be reached and this is a petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is attached;							
i.	[]	Has not been executed and is enclosed for the purposes of identifying the inventors.							
T T	INVENTORSHIP STATEMENT								
LTI	The inv	rentorship for all the claims in this application is:							
ĝ.	[X]	the same;							
≅ 2 <sup></sup> 1	[]	not the same and, as an explanation, a statement is/ will be submitted.							
The state of the s		LANGUAGE							
<u>r</u>									
		plication submitted herewith is:							
I	[X]	in English;							
O	[],	in not in English and in terms of 37 CFR 1.52(d) a verified translation is							
		[] attached							
		[] not attached.							

# FEE CALCULATION

The filing fee has been calculated as shown below:

			OTHER TH	AN A
	SMALL EN	TITY OR	SMALL EN	TITY
BASIC FEE Design Patent	\$155	\$	\$310	\$
BASIC FEE Utility Patent	\$345	\$	<b>\$</b> 690	\$690
EXTRA FEES	RATE	FEE	RATE	FEE
TOTAL CLAIMS 15 MINUS 20= 0	x 9=	\$0	x18=	\$
INDEP.CLAIMS $3 \text{ MINUS } 3 = 0$	x 39=	\$0	x78=	\$
[ ] MULTIPLE DEP.CLAIM	+135=	\$	+270=	\$
[X] ASSIGNMENT	+ 40=	\$	+40=	\$
[] RULE 53 SURCHARGE	+ 65=	\$	+130=	\$
TOTAL		\$		<u>\$730</u>



### **FEE PAYMENT**

[]	Attached is Check No	_ in the sum of <u>\$</u>	to cover the filing	fee and, if	applicable, th	e
	assignment fee.					

[X] Please charge **IBM Corporation Deposit Account No. 50-0510** the amount of \$730.00, to cover the filing fee. Duplicate copies of this letter are enclosed. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or credit **Deposit Account No. 50-0510** as required to correct the error.

Respectfully submitted,

Dated: September 26, 2000

Stanley D. Ference III Reg. No. 33,879

FERENCE & ASSOCIATES 129 Oakhurst Road Pittsburgh, Pennsylvania 15215 (412) 781-7386 (412) 781-8390-Facsimile

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) Serial No.

: Mukund Padmanabhan et al

Group Art: not yet assigned Examiner: not yet assigned

Filed

not yet assignedherewith

For

: LATTICE-BASED UNSUPERVISED MAXIMUM LIKELIHOOD

LINEAR REGRESSION FOR SPEAKER ADAPTATION

#### EXPRESS MAIL CERTIFICATE

Express Mail Label No. EL503717394US

Date of Deposit 26 September 2000

I hereby certify that the following attached paper(s) or fee:

Patent Application

Written Description

Claims 1-5 Abstract

Drawings (Figs. 1-4)

Declaration and Power of Attorney

Assignment

Patent Filing Transmittal Certificate of Express Mail Two Return Postcards

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service

under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for

Patents, Washington, D.C. 20231.

Stanley D. Ference III

(Typed or printed name of person mailing paper)

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